

PQM 212

Market Research for Engineering and Technical Personnel

The Market Research for Engineering and Technical Personnel course describes market research from the perspective of technical personnel. It explains the practical value and discusses the government mandate to conduct market research. The course addresses market research team membership, sources for obtaining market data, and techniques for technical evaluation and documentation of market information.

Objectives: Students who successfully complete this course will be able to:

- plan and conduct market surveillance within a commodity or technical area; and
- plan and conduct a market investigation for a specific acquisition requirement.

Who Should Attend: This assignment-specific course is designed for acquisition personnel who are in the Program Management; Systems Planning, Research, Development and Engineering; Life Cycle Logistics; Test and Evaluation; Production, Quality and Manufacturing; and related career fields and who are involved in developing acquisition requirements, conducting tradeoff evaluations with users, or determining the commerciality of supplies or services.

Prerequisite: None

Recommended: ACQ 101

Length: 2 class days

Method of Delivery: Resident/Local

PDS Code: PGK



PQM 301

Advanced Production, Quality and Manufacturing

This rigorous course is structured around integrated product development and concurrent engineering acquisition approaches. During PQM 301, decision-making issues relevant to successfully managing three core technical tasks in DoD acquisition—systems and process development, manufacturing, and product quality management—are investigated.

Objectives: Students who successfully complete this course will be able to:

- understand the role of manufacturing and quality assurance in the integrated systems engineering process;
- evaluate modern distributed manufacturing management practices;
- fully understand the use and application of best manufacturing practices, such as supply chain management, e-manufacturing, and lean manufacturing;
- use case studies, discussions, and class exercises to apply basic design of experiments, modeling and simulation, quality function deployment, statistical process control, six sigma, design-build principles, and risk management; and
- understand the use of DoD e-commerce policy and information technology to leverage the integrated digital environment to support technical and business operations.

Who Should Attend: This class is for civilians, GS-13 and above, and military officers, O-3/O-6.

Prerequisite: PQM 201B

Length: 10 class days

Method of Delivery: Resident

PDS Code: HV2

